Amendments to the Claims

1. (Currently Amended) A safety device of an electric oven comprising:

a hole provided in a front part of an oven cavity forming a cooking room therein;

a latch protruding from an inner side of a door opening/closing the oven cavity, for being inserted into the hole when the door is closed;

a rotation motor provided in an upper part of the oven cavity;

a lever rotatably coupled with an axis of the rotation motor; and

a temperature sensor measuring a temperature inside the oven cavity, wherein the rotation motor is formed of a step motor.

2. (Canceled)

3. (Original) The safety device as claimed in claim 1, wherein the temperature sensor is provided inside the oven cavity.

4. (Original) The safety device as claimed in claim 1, wherein the lever is formed in a plate shape having one end curved downwardly.

5. (Original) The safety device as claimed in claim 1, further comprising a sensing part provided in an upper part of the oven cavity so as to sense the movement of the lever.

6. (Currently Amended) The safety device as claimed in claim 5, wherein the sensing part includes a switch generating a rotation motor control signal ~~of controlling the rotation motor, in a method of~~ by being in contact with a lower part of the lever when the lever is rotated downwardly and coupled with the latch.

7. (Currently Amended) ~~The safety device as claimed in claim 6,~~

A safety device of an electric oven comprising:

a hole provided in a front part of an oven cavity forming a cooking room therein;

a latch protruding from an inner side of a door opening/closing the oven cavity, for being inserted into the hole when the door is closed;

a rotation motor provided in an upper part of the oven cavity;

a lever rotatably coupled with an axis of the rotation motor;

a temperature sensor measuring a temperature inside the oven cavity; and

a sensing part provided in an upper part of the oven cavity so as to sense

the movement of the lever;

wherein the sensing part includes a switch generating a rotation motor control signal by being in contact with a lower part of the lever when the lever is rotated downwardly and coupled with the latch, and

wherein a protruding portion is provided in the lower part of the lever for being in contact with the switch of the sensing part.

8. (Currently Amended) The safety device as claimed in claim 1, further comprising:

A safety device of an electric oven comprising:

a hole provided in a front part of an oven cavity forming a cooking room therein;

a latch protruding from an inner side of a door opening/closing the oven cavity, for being inserted into the hole when the door is closed;

a rotation motor provided in an upper part of the oven cavity;

a lever rotatably coupled with an axis of the rotation motor;

a temperature sensor measuring a temperature inside the oven cavity;

a plate provided in an upper part of the oven cavity, having [[a]] the rotation motor in a lateral part thereof; and

a stopper protruding from an upper end of the plate toward the lever so as to prevent the lever from being elevated above a predetermined angle.

9. (Original) The safety device as claimed in claim 8, wherein the rotation motor is formed of a step motor.

10. (Original) The safety device as claimed in claim 8, wherein the temperature sensor is provided inside the oven cavity.

11. (Original) The safety device as claimed in claim 8, wherein the lever is formed in a plate shape having one end curved downwardly.

12. (Original) The safety device as claimed in claim 8, further comprising a sensing part provided in an upper part of the oven cavity so as to sense the movement of the lever.

13. (Original) The safety device as claimed in claim 12, wherein the sensing part includes a switch generating a signal of controlling the rotation motor, in a method of being in contact with a lower part of the lever when the lever is rotated downwardly and coupled with the latch.

14. (Original) The safety device as claimed in claim 13, wherein a protruding portion is provided in the lower part of the lever for being in contact with the switch of the sensing part.